

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the Application.

Listing of Claims:

Claims 1-84 (cancelled).

Claims 85-92 (previously presented) as set forth on pages 3-4 of this Amendment.

Claims 93-104 (cancelled).

CLAIMS:

Please cancel prior Claims 93-104 without prejudice. Claims 85-92 were previously presented and have been allowed.

Claim 85 (previously presented). A milking compartment for confining and milking an animal therein which comprises:

a milking robot for automated milking of said animal in said compartment;

a feeding trough for feeding said animal while it is being milked; and

cooling means for cooling said animal while it is in said milking compartment, said cooling means being disposed over said animal, said cooling means comprising a plurality of nozzles that provide a fine spray of atomized water which produces a wetted area substantially on the back only of said animal while in said compartment, and an air displacing means that provides a cooling air flow on said wetted area.

Claim 86 (previously presented). A milking compartment in accordance with Claim 85, wherein said wetted area comprises water which is between hairs of said animal and there are substantially no unevenly long droplets on said wetted area.

Claim 87 (previously presented). A milking compartment in accordance with Claim 85 which further comprises detection and securing means that secures said spray when any unevenly long droplets of water are detected on said wetted area.

Claim 88 (previously presented). A milking compartment in accordance with Claim 85, wherein said air displacing means comprises air flow controlling means that controls the velocity of the air which is displaced by said air displacing means.

Claim 89 (previously presented). A milking compartment in accordance with Claim 85, comprising means for determining whether said animal is undergoing thermal stress.

Claim 90 (previously presented). A milking compartment in accordance with Claim 89, wherein said means for determining thermal stress comprises a camera.

Claim 91 (previously presented). A milking compartment in accordance with Claim 89, wherein said means for determining thermal stress comprises a hydrometer.

Claim 92 (previously presented). A milking compartment in accordance with Claim 89, wherein said means for determining thermal stress comprises an odor meter.